

SP  
C1  
an extrudable melt-processible thermoplastic material, and  
at least one additional layer disposed radially outward of the first layer  
and in overlying relationship thereto, said at least one additional layer composed of an  
extrudable melt-processible thermoplastic material and connected to the first layer in an  
essentially permanent manner.

Sub D1  
36. (New) The elongated multi-layer tubing of Claim 35 wherein the  
melt-processible thermoplastic material of said at least one additional layer is selected  
from group consisting of copolymers of substituted alkenes and vinyl alcohol,  
copolymers of unsubstituted alkenes and vinyl alcohol, copolymers of substituted  
alkenes and vinyl acetate, copolymers of unsubstituted alkenes and vinyl acetate, and  
mixtures thereof.

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37. (New) The elongated multi-layer tubing of Claim 36 wherein the  
melt processible thermoplastic material is resistant to permeation by an interaction with  
short chain aromatic and aliphatic compounds.

38. (New) The elongated multi-layer tubing of Claim 36 wherein the  
substituted or unsubstituted alkene in the copolymer of the melt-processible  
thermoplastic material has less than four carbon atoms.

39. (New) The elongated multi-layer tubing of Claim 38 wherein the  
alkene is ethylene.

40. (New) The elongated multi-layer tubing of Claim 39 wherein the  
thermoplastic material is a copolymer of ethylene and vinyl alcohol having an ethylene  
content between about 27% and about 35%.

41. (New) The elongated multi-layer tubing of Claim 36 wherein the  
thermoplastic material of the first layer is selected from the group consisting of

fluoroplastic polymers, ~~melt-processible polyamides~~, thermoplastic elastomers and mixtures thereof.

SUB  
C2

42. (New) An elongated tubing capable conveying hydrocarbons, the tubing comprising:

a plurality of concentrically disposed polymeric layers, each concentrically disposed polymeric layer connected to at least one other concentrically disposed polymeric layer in an essentially permanent manner, each concentrically disposed polymeric layer composed of an extrudable, melt-processible thermoplastic material.

wherein the plurality of concentrically disposed polymeric layers include a first layer disposed radially innermost of the plurality of concentrically disposed polymeric layers and at least one additional layer disposed radially outward thereof and in essentially permanent contact therewith.

wherein at least one of the plurality of concentrically disposed polymeric layers contains a melt-processible thermoplastic material selected from the group consisting of copolymers of substituted alkenes and vinyl alcohol, copolymers of unsubstituted alkenes and vinyl alcohol, copolymers of substituted alkenes and vinyl acetate, copolymers of unsubstituted alkenes and vinyl acetate, and mixtures thereof, and wherein

at least one additional layer of the plurality is composed of a thermoplastic material which is chemically dissimilar to said at least one of the plurality of concentrically disposed polymeric layers.

SUB  
D1

43. (New) The elongated tubing of Claim 42 wherein at least one additional layer is composed of a melt-processible thermoplastic material selected from the group consisting of polyamides, thermoplastic elastomers, thermoplastic polyesters, fluoroplastics, and mixtures thereof.

44. (New) The elongated tubing of Claim 43 wherein the thermoplastic

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polyester is selected from the group consisting of polybutylene terephthalate, polyethylene terephthalate, and mixtures thereof.

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45. (New) The elongated tubing of Claim 43 wherein the polyamide is selected from the group consisting of Nylon 6, Nylon 6.6, Nylon 11, Nylon 12 and mixtures thereof.

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